



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/797,613

DATE: 08/31/2004

TIME: 12:57:32

Input Set : N:\Crf3\RULE60\10797613.raw
 Output Set: N:\CRF4\08312004\J797613.raw

1 <110> APPLICANT: Zambrowicz, Brian
 2 Friedrich, Glenn A.
 3 Lilleberg, Stan
 4 Sands, Arthur T.
 5 <120> TITLE OF INVENTION: Vectors for Gene Mutagenesis and Gene Discovery
 6 <130> FILE REFERENCE: 07705.0001-00000
 7 <140> CURRENT APPLICATION NUMBER: US/10/797,613
 8 <141> CURRENT FILING DATE: 2004-03-09
 9 <150> PRIOR APPLICATION NUMBER: US/09/443,282
 10 <151> PRIOR FILING DATE: 1999-11-19
 11 <150> PRIOR APPLICATION NUMBER: US 09/276,533
 12 <151> PRIOR FILING DATE: 1999-03-25
 13 <150> PRIOR APPLICATION NUMBER: US 60/109,302
 14 <151> PRIOR FILING DATE: 1998-11-20
 15 <150> PRIOR APPLICATION NUMBER: US 60/081,727
 16 <151> PRIOR FILING DATE: 1998-04-14
 17 <150> PRIOR APPLICATION NUMBER: US 60/079,729
 18 <151> PRIOR FILING DATE: 1998-03-27
 19 <160> NUMBER OF SEQ ID NOS: 33
 20 <170> SOFTWARE: PatentIn version 3.2
 22 <210> SEQ ID NO: 1
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 25 <213> ORGANISM: mus musculus
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 30 <211> LENGTH: 41
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 32 <213> ORGANISM: adenovirus
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 36 <210> SEQ ID NO: 3
 37 <211> LENGTH: 35
 38 <212> TYPE: DNA
 39 <213> ORGANISM: mus musculus
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 45 <212> TYPE: DNA
 46 <213> ORGANISM: mus musculus
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ENTERED

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| 51 <211> | LENGTH: 39 | |
| 52 <212> | TYPE: DNA | |
| 53 <213> | ORGANISM: mus musculus | |
| 54 <400> | SEQUENCE: 5 | |
| 55 | tgctgacacc ccactgttcc ctgcaggacc gccttcaac | 39 |
| 57 <210> | SEQ ID NO: 6 | |
| 58 <211> | LENGTH: 34 | |
| 59 <212> | TYPE: DNA | |
| 60 <213> | ORGANISM: mus musculus | |
| 61 <400> | SEQUENCE: 6 | |
| 62 | taatttgtta attattgttt ttccctcctt agat | 34 |
| 64 <210> | SEQ ID NO: 7 | |
| 65 <211> | LENGTH: 40 | |
| 66 <212> | TYPE: DNA | |
| 67 <213> | ORGANISM: mus musculus | |
| 68 <400> | SEQUENCE: 7 | |
| 69 | cagaatcttc ttttaattc ctgattttat ttctatagga | 40 |
| 71 <210> | SEQ ID NO: 8 | |
| 72 <211> | LENGTH: 37 | |
| 73 <212> | TYPE: DNA | |
| 74 <213> | ORGANISM: mus musculus | |
| 75 <400> | SEQUENCE: 8 | |
| 76 | tactaacatt gcctttcct cttccctcc cacaggt | 37 |
| 78 <210> | SEQ ID NO: 9 | |
| 79 <211> | LENGTH: 37 | |
| 80 <212> | TYPE: DNA | |
| 81 <213> | ORGANISM: mus musculus | |
| 82 <400> | SEQUENCE: 9 | |
| 83 | tgctccactt tgaaacagct gtctttcttt tgcagat | 37 |
| 85 <210> | SEQ ID NO: 10 | |
| 86 <211> | LENGTH: 36 | |
| 87 <212> | TYPE: DNA | |
| 88 <213> | ORGANISM: mus musculus | |
| 89 <400> | SEQUENCE: 10 | |
| 90 | ctctctgcct attggctat tttcccaccc ttaggc | 36 |
| 92 <210> | SEQ ID NO: 11 | |
| 93 <211> | LENGTH: 35 | |
| 94 <212> | TYPE: DNA | |
| 95 <213> | ORGANISM: mus musculus | |
| 96 <400> | SEQUENCE: 11 | |
| 97 | attaattact ctgcccatc ctctctttca gagtt | 35 |
| 99 <210> | SEQ ID NO: 12 | |
| 100 <211> | LENGTH: 52 | |
| 101 <212> | TYPE: DNA | |
| 102 <213> | ORGANISM: Artificial Sequence | |
| 103 <220> | FEATURE: | |
| 104 <223> | OTHER INFORMATION: chimeric sequence | |

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Input Set : N:\Crf3\RULE60\10797613.raw
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 111 <213> ORGANISM: Artificial Sequence
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 113 <223> OTHER INFORMATION: chimeric sequence
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 121 <400> SEQUENCE: 14
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 128 <220> FEATURE:
 129 <223> OTHER INFORMATION: chimeric sequence
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 142 <210> SEQ ID NO: 17
 143 <211> LENGTH: 23
 144 <212> TYPE: DNA
 145 <213> ORGANISM: mus musculus
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 152 <213> ORGANISM: Artificial Sequence
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 158 <210> SEQ ID NO: 19
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 160 <212> TYPE: DNA

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Input Set : N:\Crf3\RULE60\10797613.raw
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161 <213> ORGANISM: Artificial Sequence
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 163 <223> OTHER INFORMATION: chimeric sequence
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 165 ctgtaaaacg acggccagtc 20
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 171 <220> FEATURE:
 172 <223> OTHER INFORMATION: chimeric sequence
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 174 cacgtctgca gatcatgagg atgctaattcc ttgatggcat gcactatgcg cgatgatctg 60
 175 cagacgtg 68
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 179 <212> TYPE: RNA
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 185 cagacgug 68
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 192 <223> OTHER INFORMATION: chimeric sequence
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 195 tgcagacgtg 70
 197 <210> SEQ ID NO: 23
 198 <211> LENGTH: 70
 199 <212> TYPE: RNA
 200 <213> ORGANISM: Artificial Sequence
 201 <220> FEATURE:
 202 <223> OTHER INFORMATION: chimeric sequence
 203 <400> SEQUENCE: 23
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 205 ugcagacgug 70
 207 <210> SEQ ID NO: 24
 208 <211> LENGTH: 279
 209 <212> TYPE: DNA
 210 <213> ORGANISM: Artificial Sequence
 211 <220> FEATURE:
 212 <223> OTHER INFORMATION: chimeric sequence
 213 <400> SEQUENCE: 24
 214 ggatccgaat tctcgaggct aagccagttt tcgtaccctt gactgcgttt catcgattcg 60

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Input Set : N:\Crf3\RULE60\10797613.raw
Output Set: N:\CRF4\08312004\J797613.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:27; N Pos. 20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39
Seq#:27; N Pos. 40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59
Seq#:27; N Pos. 60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79
Seq#:27; N Pos. 80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:27; N Pos. 100,101,102,103,104,105,106,107,108,109,110,111,112,113,114
Seq#:27; N Pos. 115,116,117,118,119,120,121,122,123,124,125,126,127,128,129
Seq#:27; N Pos. 130,131,132,133,134,135,136,137,138,139,140,141,142,143,144
Seq#:27; N Pos. 145,146,147,148,149,150,151,152,153,154,155,156,157,158,159
Seq#:27; N Pos. 160,161,162,163,164,165,166,167,168,169,170,171,172,173,174
Seq#:27; N Pos. 175,176,177,178,179,180,181,182,183,184,185,186,187,188,189
Seq#:27; N Pos. 190,191,192,193,194,195,196,197,198,199,200,201,202,203,204
Seq#:27; N Pos. 205,206,207,208,209,210,211,212,213,214,215,216,217,218,219
Seq#:27; N Pos. 220,221,222,223,224,225,226,227,228,229,230,231,232,233,234
Seq#:27; N Pos. 235,236,237,238,239,240,241,242,243,244,245,246,247,248,249
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Seq#:27; N Pos. 505,506,507,508,509,510,511,512,513,514,515,516,517,518
Seq#:28; N Pos. 22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41
Seq#:28; N Pos. 42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61
Seq#:28; N Pos. 62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81
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Seq#:28; N Pos. 176,177,178,179,180,181,182,183,184,185,186,187,188,189,190
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Seq#:28; N Pos. 206,207,208,209,210,211,212,213,214,215,216,217,218,219,220

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Seq#:28; N Pos. 221,222,223,224,225,226,227,228,229,230,231,232,233,234,235
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Seq#:28; N Pos. 266,267,268,269,270,271,272,273,274,275,276,277,278,279,280
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Seq#:28; N Pos. 296,297,298,299,300,301,302,303,304,305,306,307,308,309,310
Seq#:28; N Pos. 311,312,313,314,315,316,317,318,319,320,321,322,323,324,325

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:32; Line(s) 352
Seq#:33; Line(s) 370

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Input Set : N:\Crf3\RULE60\10797613.raw

Output Set: N:\CRF4\08312004\J797613.raw

L:255 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
M:341 Repeated in SeqNo=27
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
M:341 Repeated in SeqNo=28
L:313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
M:341 Repeated in SeqNo=29